

Notice of Allowability

Application No.

10/035,592

Applicant(s)

CASTELLANOS-NOLASCO ET AL.

Examiner

Sheela C. Chawan

Art Unit

2623

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/8/05.
2. ☒ The allowed claim(s) is/are 1-25.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892) 10/23/01, 6/22/05.
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 2/3/03
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

Response to Amendment

1. Applicant's amendment filed on October 8, 2005 has been entered and made of record.

Claims 1- 25 are pending in the application.

Response to Arguments

2. Applicant's arguments, see page 7, 5th paragraph, lines 4-5 of the remarks, filed October 8, 2005 with respect to the art rejection of claims 1-25 have been fully considered and are persuasive. Therefore, art rejection for claims 1- 25 has been withdrawn and case is allowed.

Drawings

3. The Examiner has approved drawings filed on 10/23/01.

Information Disclosure Statement

4. The information disclosure statement (IDS) submitted on Feb 3, 2003, the information disclosure statement is being considered by the examiner.

Reason For Allowance

5. The following is an examiner's statement of reasons for allowance:

Claims 1-25 are allowed.

Applicant's arguments, regarding claim 1, see page 7, 5th paragraph, lines 4-5 of the remarks, filed October 8 2005, the prior art of record fails to teach "an image analysis system receiving image data of the component and analyzing the image data utilizing gradient processing to compare a first gradient value to a second

gradient value to locate the one or more features ". With respect to the art rejection of claims 1-25 have been fully considered and are persuasive. Therefore, art rejection for claims 1- 25 has been withdrawn and case is allowed.

Regarding claim 9, the prior art of record fails to teach "an image analysis system receiving image data of the component generated when the component is being illuminated with the off-axis lighting and analyzing at least three relative maxima of histogram data generated from the image data to locate the one or more features, respectively".

Claim 12 is the representative of claim 9.

Applicant's arguments, regarding claim 21, see page 9, first paragraph lines 5-14, the prior art of record fails to teach "a dual lighting analysis system analyzing image data of the component created when the axial lighting system and the off-axis lighting system are simultaneously illuminating the component and generating component acceptance data".

Claim 25 is the representative of claim 1.

Claims 1- 25 are allowed.

6. Any comments considered necessary by applicant must be submitted on later than the payment of the issue fee and to avoid processing delays should preferably accompany the issue fee. Such submissions should be clearly labeled, comments on statement of reasons for allowance.

Contact Information

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sheela C Chawan whose telephone number is. 571-272-7446. The examiner can normally be reached on Monday - Friday 7.30 - 4.00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bhavesh Mehta can be reached on 571-272-7453. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Sheela Chawan
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November 7, 2005